FIG. 1A

cagaaagaga cctatatgat caaatacaga ac	Met Ile Phe Leu Leu Leu Met
ttg agc ctg gaa ttg cag ctt cac cag Leu Ser Leu Glu Leu Gln Leu His Glr 10 15	
aca gtc cct aag gaa ctg tac ata ata Thr Val Pro Lys Glu Leu Tyr Ile Ile 25 30	
ctg gaa tgc aac ttt gac act gga agt Leu Glu Cys Asn Phe Asp Thr Gly Ser 40 45	
aca gcc agt ttg caa aag gtg gaa aat Thr Ala Ser Leu Gln Lys Val Glu Asr 60	
aga gcc act ttg ctg gag gag cag ctg Arg Ala Thr Leu Leu Glu Glu Gln Leu 75	
cac ata cct caa gtc caa gtg agg gac His Ile Pro Gln Val Gln Val Arg Asp 90 95	
atc atc tat ggg gtc gcc tgg gac tac Ile Ile Tyr Gly Val Ala Trp Asp Tyr 105	
aaa gct tcc tac agg aaa ata aac act Lys Ala Ser Tyr Arg Lys Ile Asn Thr 120 125	
aca gat gag gta gag ctc acc tgc cag Thr Asp Glu Val Glu Leu Thr Cys Glr 140	
gaa gta tcc tgg cca aac gtc agc gtt Glu Val Ser Trp Pro Asn Val Ser Val 155	Pro Ala Asn Thr Ser His Ser
agg acc cct gaa ggc ctc tac cag gtc Arg Thr Pro Glu Gly Leu Tyr Gln Val 170	
cca ecc ect gge aga aac tte age tgt Pro Pro Pro Gly Arg Asn Phe Ser Cys 185	

FIG. 1B

agg Arg 200	gaa Glu	ctt Leu	act Thr	ttg Leu	gcc Ala 205	agc Ser	att Ile	gac Asp	ctt Leu	caa Gln 210	agt Ser	cag Gln	atg Met	gaa Glu	Pro 215	677
agg Arg	acc Thr	cat His	cca Pro	act Thr 220	tgg <u>Trp</u>	ctg Leu	ctt Leu	cac <u>His</u>	att Ile 225	ttc <u>Phe</u>	atc <u>Ile</u>	ccc Pro	tcc Ser	tgc Cys 230	atc <u>Ile</u>	725
att <u>Ile</u>	gct Ala	ttc Phe	att Ile 235	ttc Phe	ata Ile	gcc Ala	aca Thr	gtg Val 240	ata <u>Ile</u>	gcc Ala	cta Leu	aga Arg	aaa Lys 245	caa Gln	ctc Leu	773
tgt Cys	caa Gln	aag Lys 250	ctg Leu	tat Tyr	tct Ser	tca Ser	aaa Lys 255	gac Asp	aca Thr	aca Thr	aaa Lys	aga Arg 260	cct Pro	gtc Val	acc Thr	821
aca Thi	aca Thr 265	aag Lys	agg Arg	gaa Glu	gtg Val	aac Asn 270	agt Ser	gct Ala	atc Ile	tga	acc [.]	tgtg	gtc	ttgg	gageca	874
gg	gtgac	ctg	atat	gaca	tc t	aaag	aagc	t tc	tgga	ctct	gaa	caag	aat	tcgg	tggcct	934
gca	agagc	ttg	ccat	ttgc	ac t	tttc	aaat	g cc	tttg	gatg	acc	cagc	act	ttaa	tctgaa	994
ac	ctgca	aca	agac	tagc	ca a	cacc	tggc	c at	gaaa	cttg	ccc	cttc	act	gatc	tggact	1054
ca	cctct	gga	gcct	atgg	ct t	taag	caag	c ac	tact	gcac	ttt	acag	aat	tacc	ccactg	1114
ga [.]	cctg	gac	ccac	agaa	tt c	cttc	agga	t cc	ttct	tgct	gcc	agac	tga	aagc	aaaagg	1174
aa	ttatt	taa	aata	aaqt	tt t	ctaa	ataa	t tt	cca							1209

FIG. 2A

75 66 66 67 74 74 74 75 75	155 1152 1154 1157 1157 1157	2222 2222 2223 2223 233 230 230 230 230
	PTS	HILL OO GEHAN
* NZN H		
YWOKEKKN FWCDOENI SLON YWEMEDKN YWOTSES! TWVS SSIN KWVS SSIN	180 NESOPET SISDEE NESOTE SISDE NESOTE SI	* MIT HSFM IS FT. V SNMTIF TET. PPGKNFS FF. TPSVLIGC FNV. GANGTYSCIPRNF. KYVRNVS SNNNT. GSGEGVS CIRNS. SSGGGVS CIRNS.
m K · · H M Z I I I I I I	E S S S S S S S S S S S S S S S S S S S	THE SERVICE OF THE SE
0		PPGRAMMAN AND SAME AN
* * * * * * * * * * * * * * * * * * *	NON YE OF YEAR	OZG
*GHNX TANSONO TOTGSH TOTGSH SPEGSRE SPEK SPEK B TM	A K X X X X X X X X X X X X X X X X X X	DE STAND OF THE ST
CEAN OFFIN KEPU ACPE SESP HISP HISP HISP HISP HISP	16C FKRE MIRI VA. W SADW FOEV RS. Y RS. Y RS. Y	* X S S S S S S S S S S S S S S S S S S
	双	
AYENETE ENGSNAT. EYGSNAT. ALVGENTI ATVGENTI AWVGEDAT AVVGEDAT	* * H H H H H H H H H H H H H H H H H H	40 SODPETE TOFINGE
A	DESCE DE LA	240 SIMOKSO SI
TT	A S S S S S S S S S S S S S S S S S S S	DGIM ALON ALON ALON ALON ALON ALON ALON ALON
PLATON PL		* MY
	* TINNISEVELA BE SELECTION OF S	THE NOTE TO BE A STREET OF THE
TC.SG FC.SG FILTS FSST RA FIVE FIVE FIVE FIVE FIVE FIVE FIVE FIVE	X V X X Y I S X V X X X X X X X X X X X X X X X X X	EELNATINES FREKT LOVLSGKFT LOVLTGNV SVPLTGNV YGGVAPAL YGGNVPAL KGENTPAV KGENTPAV
FVMI FVMI FVMI FLLI FLLI VSA VSA VSA VSA VSA VSA VSA VSA VSA	TI ST THE	220 NGEEL NGEEL SQGVP
LV LVG G		220 KKNSVL BNGEEI KKNSVL E. NSWPNV E. VIWTSEDHOV E. VIWR DPYC I. TVWR DPYC I. TVWR DPYC I. TVWR DPYC II. TVWR DPYC II. TVWR DPYC II. TVWR DPYC III. TVWR DPYC
FE CA	120 ATLL ALMS TIPO TIPO TIPO TIPO TIPO TIPO TIPO TIPO	*
20 PVINFFQ LIMIS VNFFFQ VNFFQAI VLIFT SLIFQ SLIF SLIFQ SLIF SLIF SLIF SLIF SLIF SLIF SLIF SLIF	O O O O O O O O O O O O O O O O O O O	
	100 ** INMS CKENELSVHSKYMCRT EVTI CKENELSVHSKYMCRT KENDT SPHKERATI. FVH CEEDLKVOHSSY HORARI. VYYHIPONSSLENVDSRY HNRALIMS LYHSKYLG QDQGSAY ANRTALI AV HYKGGRERTEDOWED RORTTE AV HYKGGRERTEDOWED RORTTE	NIR RII (STSSGREPP HINS) SNITENVY NNTCS IHC CLEEN PERKN ET DEVELT CAT (STEEL PKKE) SPSC DELTFITT INSY REN. V KDLRPGDTVTTTCS YQG ERE
CTSPS MIF MRIJES SERVES	M	
TREO KALL A HE KWAS	O GK T GK T GE I PON MGGR ADGR ADGR RDGR	NVY: OVY: OVY: OVY: OVY: OVY: OVY: OVY: O
	100 MS ENDT ENDT TYHI HSE VEV K VEV K NOV A NOV A	* TR NJTE T DPVT PSG. DIRP ROTHE KACHE KACHE KACHE
ΣΣ ·		
Human 5 Human 5817596 11 Human 552 Human 552 Human 522 Human 523 H	Cd80_Human Cd86_Human GA16817596 B7-H1_Huma B7rp-1_Hum Pro352_Hum Btf1_Human Btf4_Human Btsf2a2_Hu Btsf2a2_Hum Btsf2a2_Hum	Cd80 Human Cd86 Human GA16817596 B7-H1 Huma B7rp-1 Hum Pro352 Hum Btf1 Human Btsf2a2 Hu Btsf2a2 Hu Btsf2a2 Human Btsf3a3 Human
Cd80_Hum Cd86_Hum GA168_175 B7-H1_Hu B7rp-1_H Pro352_H Bff1_Hum Btf4_Hum Btf4_Hum	Cd80_Hum Cd86_Hum Cd86_Hum GA168175 B7-H1_Hu B7xp-1_H Pro352_H Btf1_Hum Btsf2a2_Btf4_Hum Btn3a3_H Btn Huma	Cd80 Human Cd86 Human GA16817596 B7-H1 Huma B7rp-1 Human Pro352 Hum Btf1 Human Btsf2a2 Hu Btf4 Human Btn3a3 Hum
K K K K K K K K K K K K K K K K K K K	CC GC GA BA BA BA BA BA BA BA BA BA BA BA BA BA	Cd8 Cd8 GA1 B7-I B7-I B7-I B7-I B7-I B4-I B4-I B4-I B4-I

and the Control of Market Control of the Control of the Control of Market State (1997). The Control of the Cont

FIG. 2B

288 306 273 290 302 307 276 276 318 263	60 323 323 323 316 392 392 392 398	*
360 PERSDEACR NSAI EFT QPERINR ACCEPTER REKY CERTER KERY CERTER	* 46 YWEVEWENVM YWEVEWGDRK	AR WVEWRIP. SESEPLYP TESGPLRP
RENERL. RRESUR. PR REESEOTKREKIH PERSDEAOK SKOTTKRPVTTTKRENNSAI CIOETNSKNOSTH EET CAMAVSPETELTGHV CARBODGEGEGSKTAHOPIKHSDS ILSGEKKVEOEEKE AQOLOEERK MKEMGYAATHOPISIREK OHEEK	SGREEN STATES	540 SHIXIICPRSAFIIV SHIXIIFPHASESE
340 * 360 . RERRENERL. KRESVK. PK FINTMEREFSEQTKKREKIHIPERSDEAQK MILYSSKOTTKRPVTTTKRENNSAI DVKKC IQITNSKKOSTTHEBT HSYACAWAVSPETLIGHV SEENACALEQDGEGGGSKTAHQPIKHSDS OKEN ERREKKILSGEKKVEQEEKE AQQIQEERR PRERKILSGEKKVEQEEKE	SQPCTLGWESEA WRYCVLCCBNET	* ************************************
A V V V V V V V V V V V V V V V V V V V	NPERFO NPERFE	520 SVEUDYEAGD STFILDYETGE
MKKRPR AT IALR AT IALR CFRI CVRK CWRK IPPNVCH IPMNVCH	420 RRGPYRQRWIN QRAEEPRDIAP RLEDSRQKHE	
CF CDILW I DAFI I GVAL VAL VILAV SYFLW SYFLW I FFTW	* * * * * * * * * * * * * * * * * * *	* 500 * GNOWRANSSPERITPIKESLC GNOWRANSPERTNIKEPEPPR GNGWANT PLRTPIPIAGPPR
TV LICV TV HIET LICATION LICATION LICATION LICATION LICATION VGISV ASPWOV TIGHT TIGHT TIGHT VGISV VGIST VGIS	400 LDEDUMHPEL	· 🚨 ·
A TI ···I FORE EKNA EKNA PVA AVA AVA AVA AVA AVA AVA		80 ONCEWTEENE ENGEWTEENET
* SEHFFDNLI POPPDHI EITHASIDE EITHASIDE RDKITENPN SVTITGOPN SA SA RE	* SDTCF SLAYHEWKMALF*	* 480 KKEVLITEON
280 SPESIELED SPESIELED SOTENDIGE TE PEST VP IET PEST VP IST AD PEFT IST AD PE	* SSKTSSCDK: DGQEIA IQYMARGEK	* 480 VMTWGWERHSWE.KKGEVLLIRON EMHIGWESKNWERKKGWWKMTPEN
Cd80_Human Cd86_Human GA16817596 B7-H1_Huma B7rp-1_Hum Pro352_Hum Btf1_Human Btf4_Human Btf4_Human Btf4_Human Btf4_Human	Cd80_Human Cd86_Human GA16817596 B7-H1_Huma B7rp-1_Hum Pro352_Hum Btf1_Human Btf4_Human Btf4_Human Btf4_Human Btf4_Human	Cd86_Human Cd86_Human GA16817596 B7-H1_Huma B7rp-1_Hum Pro352_Hum Btf1_Human Btf1_Human Btsf2a2_Hum Btsf2a2_Hum Btsf2a2_Hum Btsf2a2_Hum Btsf2a2_Hum

FIG. 2C

	i	ı	I	ı	ı	I	ı	523	ł	584	526	
	••	••	••	••	••	••	••	••	••	∵	••	
	:	:	:	:	:	:	:	:	:	EAL		
										RTE		
										ĄŎŢ		
- }										HK.		
										NON		
										LIV		
										PSZ		
620										SVS	ZA P	1
•										GAI	SOS	Ŕ Q
										AHE	TOF	4 X 1
										П	Ē.	1
*										SLI	N KI	7.7
										ŢΛΞ	T.H.	1
										OAI	7 ₹	į
0										된	ומם	1
009										IF.S.	N N	2
										7 Z	1 1 1	1
								SI	1	PPG	MO	1.7 40
*								ЪHТ		Δ	10	á
								ΑVG		E E	1 1	1
								E		I.C.	0	OIL)
								7.		VDI	1 (Į Į
08								H.]	TU	1 2	LAIN
580								1/JM	1	ורם	į	>
								אַט		U U		고 ^
								ر ا	3	77.07.		קט
*								ΔT.T	7	T D I	4 1	TAT
) { }	5
									1	E	- E	
								n D	7	E		ななり アスト
560								Ď	2	į.	1 (S. C.
(21									· ·	F-	1	
									1		ر ز ک	T M T
									•		•	••
	ς π	בן מ	2011) (an:	J :	an I	3	Z
	- Inm	Jun.	175	, <u> </u>		֓֞֟֜֞֜֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֜֝֓֡֓֓֓֓֡֜֝֡֓֡֓֡֜֝֡֓֡֜֝֡֡֓֡֡֝֝֡֜֝֡֡֜֝֡			7,	um c	Ę.	ıma
	_	Cd86 Human	Cas 0 11 minari	5 1	1 1	ر ا ر	, C L	- C	7 7	4 (က် (၁	Į
	CARO Himan	α 7 7 7 (2 Z Z	B7-H1 Hima	ם קר קר	B/rp-r_num	7 T	BTII HUMMAN : blisson iii . rende periode ii ii . rende ii . garan and a san	ם נו	Btr4_Human	BCHISAS HUMI : VINCENTIAL LANGUAGE TO THE CONTRACT OF THE CONT	Btn

FIG. 3A

ataagaagct	gaattaaggt	gatggcagtg	gggtggaaga	aaggagagcc	accatgcaaa	60
aagtatccag	gagggagaat	taacaggact	aggggatggg	ccatatttgc	aagatgagaa	120
atgcagaggt	ctaagattct	agctnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	180
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	240
nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nngcataaac	300
catattttcc	ccagaggagg	attagtagga	aaggaagctg	ctggttggaa	agtatcttta	360
tagcagtgtc	tgttcctcgg	tttgctcaag	gggacagtgt	gccaggaaag	tccccgtgga	420
agggcaagga	agaaggggaa	gttaaagcca	gtggcaggtg	atccaagaat	cttttctgtt	480
gctagagcta	tgttacatgc	tgtcctttca	tgctctaaaa	ataagagtgc	tggcaagtgc	540
caggcctgtt	ggtgcagctt	aagatgatac	ctttcttgga	tatatatgca	tctgaataag	600
gaaggctatc	ttctggtcaa	gctaaggtat	gccatgagca	tttccctgtg	gaaagcactt	660
aattctgttc	ccagttgtta	cctgctgtaa	gatctccctt	tctaaaataa	aaacaagaat	720
acagctcact	gaggacctta	catttccctc	tagctactga	ctcatttctc	ttctcctttt	780
tatagcacto	ttcttgagag	agttgcctat	atttgttgcc	acatctttac	ccattctctt	840
ttgaacctat	tcaagctttc	atctgtacaa	aactcactga	tactgtgctt	gtcaggatca	900
tccatgacct	ccatactgct	aaatgcaact	ctcaagagta	tttggctcta	ctgatcactc	960
ctttgtagca	ctgtgtttta	aaatataggt	tttattatta	tttaggtatg	gtgaggccaa	1020
tatatcagga	aatgactgtc	gttgaaaaaa	gtatgttgta	ctcacagato	ccaagagaag	1080
gggggcacac	c catgccacaa	agggccacat	ggggaagcac	cagggtcagc	caggaggtgg	1140
gtggggggt	g cgcaagatct	ttattgtggt	ttcaacagga	. agaaatgggt	. gaagcagggt	1200
gagtggatti	aggattagct	gatataaata	atttcagcag	gctctggggc	: ataggggctg	1260
tccctagtc	tctggtactt	ggccctgggg	tgattaagge	: agttgcatag	f tgttgggaat	1320
gtgaaagcc	c ccaataaato	g aggcagttgt	gggtatgggc	: tctgaaatgg	g gttggtttgc	1380
atttgaaag	g tgtgctcato	g ggcaagtggt	ttactctctc	: ttagaggtta	a gaattggcta	1440
accctggga	g cggcagtccc	c ttcagggtca	gcaaggcccc	c aggtgtcaaa	a gcatcagaat	1500
acagaaaat	a aaatgcatgo	g ataatacaca	a ctgccatttg	g cctttgtaco	c cttcctttca	1560
atcttctct	g ctggtgacco	g ctcttcacaa	a agatctataa	a atgttggaat	accccatgtc	1620

FIG. 3B

tcagtccttg	ggcactctct	ttcctatctc	tctgtaggtg	atgtaatgca	gatatccatg	1680
actttaaatc	tttaacactt	ctgcattgat	gactcctaaa	tttacatctc	taccccaact	1740
gcctactaaa	cacctccact	tggctatcta	ataggcattt	caaaccaaat	ctacaacaaa	1800
cgtaactctt	tttccccttc	cttaatttgc	ttctccccca	gccttctcca	ttttaataaa	1860
cagcatctcc	attgccttag	tgactcaagc	cccaaactta	ggaattttcc	cagatttccc	1920
tctttttctc	aaactatata	tctagcctgt	cagcagttcc	cttcaggtct	ttttcnnnn	1980
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2040
nnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2100
nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2160
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2220
nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2280
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2340
nnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2400
nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnna	2460
ctaannnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2520
nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnngctc	2580
catttatatt	tannnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2640
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2700
nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2760
nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2820
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	2880
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	תחחחחחחחחח	2940
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnnn	3000
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	תמתתתתתתתת	תתתתתתתתתת ח	nnnnnnnnnn	3060
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnnn	3120
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	תתתתתתתתתת ח	3180
nnnnnnnnn	nnnnnnnnn	. nnnnnnnnn	nnnnnnnnn	nnnnnnnnr	nnnnnnnnn	3240

FIG. 3C

nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	3300
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	3360
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	ttgtgtttta	3420
aatatatata	cacacttaga	cacatataac	cctctttcgt	atatcaatta	tactttaata	3480
aagctgttgn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnctcgcca	3540
acagaccact	tctcacccct	actagcccct	ctactctaag	ctatcagcat	ttctgcaaac	3600
acattcctaa	ccgatctcac	tgcttgtaat	cttgccagca	acctctccct	ctcagcaata	3660
gtctattgcc	tacaccaaag	cttagttgtc	tcttaatgat	gtaaatgagg	ttctatcatt	3720
ctcctgaccc	aaaccctcca	ctgcttttca	tcacactcag	agcagctctg	ctgttgcctg	3780
atttagatgt	atggctccaa	cagatttccc	ctgaagaaat	gattccatgg	ctgataaaag	3840
ttggaaagcc	tcctcagttt	cagaccatta	tcagattagc	tgtgtgctct	gtccctttcc	3900
tcaaccataa	gaagtccatg	gataaagaaa	gcttcagagt	aaaggagaaa	gcatgggagg	3960
tacagcagga	ccaaggtggg	gcattcgcag	ccccaccct	catcagagco	agttccctac	4020
tctccctgtc	taaacctctt	agtaagaggt	agttcaagag	aggggcaaac	: tcaattccag	4080
cactcaaaag	cacttgacta	ctttgctcag	tcaactagca	agtatttatt	. gagaatgtag	4140
ctctgttcta	tggagtctta	ttttcaagtg	tcagactccc	agacatccaç	f tccaggtaaa	4200
gaagatggtg	f tocattatto	atttgacaaa	caaagttggg	gttcaagggc	cagctattga	4260
aaaaagctat	ggaaagcttc	atgagacgtg	g caggtaactg	ccaatatgto	g tggttcacaa	4320
ggactggtto	: atattcagaa	acggccatta	gaaaaggaag	aagaacttct	catttggatt	4380
tataaagagt	gtcttgttta	ctcttaattt	atatcttctc	ttctccagga	a aatcaaccta	4440
taacttctcc	c teceagetee	actctaccat	ggtctgtcac	c cttccccaaa	a tgatttgtta	4500
ttcccctgtt	ttcaaaagtg	g aacaaagaad	c caaagaccca	a gcaaagttt	c acaaggccct	4560
gagactttca	a attgtctatt	: tcagatcaaa	a tacagaac a N	atg atc ttc Met Ile Phe	ctc ctg cta Leu Leu Leu	4616
atg ttg ag Met Leu Se	gc ctg gaa t er Leu Glu I	tg cag ctt Leu Gln Leu	cac cag ata His Gln Ile	a gca ggtaad e Ala	gaaag	4662 18
gacaaaggg	a gaggettaaq	g aaagaagag	c aggtggtggt	tcctagcca	a agccaaaaat	4722
nanaatnto	r cactagaat	- gagggettt	c tttgagagga	a cotatoatt	t ctgggctatt	4782

FIG. 3D

,	ccaagcacca	caaaaaaaaa	aagagtcccc	atggtggctt	atacatgcca	atgtccctat	4842
,	ctgacagaaa	cggtgactga	gaatattgct	ccatctattc	ccactatcca	gtgagggtaa	4902
	tgacaagaag	acaggatcac	tcagaccatg	taaatctaaa	ctgatacaag	agggcagggg	4962
	ttgagttccc	ttaaaggtga	gatgccaagc	agctgtcccc	ttcctttctg	gcagggagag	5022
	taaggagaca	atggccaggg	aacaccgtta	ctctaaagat	aatgtcttga	agacattctg	5082
	catattatta	gttgtttctg	tgagtttctt	ttttgaaaag	caacaatagc	agccgttggt	5142
	cattcatacc	ttaatgtggt	ttactgagtc	ttcctaaaac	ccaaatgaac	aatgaacctt	5202
	aaggctatcc	ctttggactt	gaagaaagga	cttctattgg	aggatgaggg	tgagcagaaa	5262
	gaaaagcagt	ttcacagttg	gttgttctcc	tggggaaggt	agttcagacc	attcgagggt	5322
	gtagttagaa	ccatgagtgc	actattttgg	atgaacacca	ggagctaaga	gagtaacata	5382
	gaggtgtgga	cagaggatta	agtcctcaag	acaatagccc	cagccccatg	ggaaatcatc	5442
	tttctgctca	tgattgagaa	ataatggctc	ccttggcact	tgataacctt	tcgaagagct	5502
	ttctcctccc	tactagctgg	ttccagatca	ctcttcaccc	agtcacattc	ctctcactca	5562
	cttgagctgc	ccagcctggt	ctggcactag	agacatgcac	ttggggccct	cctcaaagga	5622
	agaccctgag	atattctgct	tacttctact	ctgctcctgc	ctgcagggcc	agctaaagga	5682
	acttttcatg	ttttctttgc	aaggaaccct	gcctggctgg	cattttagag	acaagcaaaa	5742
	ggggcaataa	cttccttgct	acaaaacagc	ttcaagtttc	catagagtga	taagggaaat	5802
	gagggccaaa	agacactgtt	ccccatcctg	tggcaggact	gggggcttca	ggagaaaact	5862
	tggggaatgt	gtaacctctg	tgggtttgta	gcttaaaaac	actgagatcc	tgggttttct	5922
	gtctttgttt	tttgcctttt	ctcttaggaa	aggagtgagc	tagggtgaca	aggggcaaca	5982
	ttttttatcc	ctcattggct	ctttctacag	aggaaggatc	ttttcttcta	agataatcag	6042
	cacaagacaa	tgaagatagg	cactagetee	cagttaggta	tactaatggg	gcaaaaggaa	6102
	gagcatttnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	6162
	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnattttgca	ggtgagggaa	ctagaactca	6222
	gaaaaggtac	ttaatttccc	: caagattaca	tagttattag	gtgacaccgg	s caagatttca	6282
	acaaagctaa	tgtcctttct	actttactgt	gctaccatga	tgatggtaat	: caaaaatggc	6342
	agacaaccca	taaatcttcc	: aactttggaa	taggtttttg	cactgaagto	tgaatatgga	6402

FIG. 3E

tacgtattga	atgtttattc	tggatattca	cagaatcaaa	aaatatgtgt	aatgaattat	6462
gttgctgaat	taactgaaag	gaaagtaaaa	atgtagcgct	ttctcatttt	cttcacgaat	6522
ttggaattct	tttctgcttt	ccactatgca	gataacatca	gttcagacaa	atattaaata	6582
cctacctaaa	ttagaatgcc	ttctcctcat	gggatttttt	taaaatcttg	tcatttcatg	6642
tctctttaat	taaagagttt	tgatttcaga	ggagggtacc	tgcaaaagaa	aacaacaaaa	6702
aaactaaagg	atctgagaaa	taattagtgt	ttacttctgg	ggaggggagg	aggtctggga	6762
tgggggtaaa	aaggatagtc	ttatctatta	tgtatattca	ggtttttgtt	ttttacaaga	6822
agcatgtatt	aggnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnca	agaaatttct	6882
catataaaaa	tatgaaagta	atcagactgc	aacactcagt	gcctgagaca	gagctacagc	6942
tatcagggtg	tccagacaga	cagaagatta	cattttcttc	cttgctcctt	gtacagcccc	7002
agacctgcat	gcttcattga	aaagaaaaga	agatacctga	attaaatcaa	tgtgatgctt	7062
agtaccctat	cagtgcacat	ttcttttcnn	nnnnnnnnn	nnnnnnnnn	cacttnnnnn	7122
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	7182
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	7242
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	7302
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	7362
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnca	7422
cttatggcgg	tattctcagt	cattacaaat	aaataaaaac	aatccatatg	ccctggagaa	7482
tttgattcca	ggagtaggtc	tagaagaact	tcaactggag	aatggataga	gaaatcatgg	7542
tatatttgca	gnnnnnnnn	nnnnnnnn	nnngatagca	ı tgtgaataaa	ttaattacaa	7602
aaacatatga	ctacatctat	tattatatag	g catgtagata	a aattacaaaa	acatgtaact	7662
acatctatga	atcttagagc	: ataatattga	gnnnnnnnn	nnnnnnnnn	nnnnnnggcc	: 7722
agaagataac	c acatagcaca	atgtcctttt	: cataaataaa	ı tatattgctt	aagcatacct	7782
tatatataga	agataaagct	taaaaagtaa	agaagag			781

FIG. 4

attatcactt	atgagggtgn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	60
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	120
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnctgcc	180
ctttatttt	tcatgaaaga	aattgctgaa	gaggactaaa	agaagtttta	gtaagcattc	240
aataaatgta	tgttctttat	agtttccaaa	tcagcaaata	tagacatcct	gcatttttaa	300
ggagatttat	atattttatt	ggacatgctg	taatttattt	aaccacttcc	ctgttggtag	360
acattatttc	cattttcttc	tgctagatta	atgcttgaaa	aaaatgtgtg	cctcctaaag	420
actgtgatga	aagttgcctc	tgaataaaac	tcaaacaaat	cattaatcat	taactctttc	480
cttacttgta	tgctctttgg	atgctctact	gtgttatcta	taaaataaag	tttgaagtga	540
aaaattaggg	taaaacattt	tatatcattt	ttaaaggata	tatacatgga	tgtacttaca	600
tatgcatgtt	taaatttata	taccataaca	tttatttctt	tttttaaaaa		650

FIG. 5A

tatatttgtt	ttttttctta	catttttatt	tcaaaatcta	aggacatctt	ataacccaga	60
aatattttt	ataccttgtc	atgtcttaga	ggaaagagcc	accccagtct	tttttcattg	120
atgtttttct	tctctcttcg	tactccagag	gtagatgaaa	accagagggc	cacaatgacc	180
atggtgatgc	ctgaggtcat	tctggggcac	agacctcagc	ctaggttact	ccacttcgcc	240
tatctttaga	tccaaaacta	ccctgctgac	tgctgagata	aacaaaggag	aataatcagg	300
ttggggaaag	gatttctatg	cgaagacatg	tctccatgca	gtcctcctac	actgagcaga	360
gcatgagtca	ggtgcttaga	gcaggatttt	gtcctaaacc	aggaacttca	gagttttctg	420
aagaatgtgg	ctatgtaaag	cacccccca	ccccaccctt	acttctcaag	tacattacgt	480
ggcaagtctg	aaaaaactta	cacttctgtt	gttaaatgtg	ggggataaaa	tataaactta	540
gtttcaagag	gaagctatct	tgggaggtaa	tgcaaataat	tcgttgtgtg	tttcctgaat	600
aagtgacagg	tgctgactac	cattgatgct	tcattgcaat	aaaatgcaaa	gctcccccaa	660
gaatttttga	aatgcatcaa	gctaggtgtt	ctaatctagc	aaaaggacct	gcatacatga	720
atttttcatg	cttttgccaa	gtcttttgcc	ctttagttta	gttaagggcc	ccacatgaat	780
ggaaagcctg	tgttgtcagc	ttaattttgt	agttgtggaa	accttccagt	tttctccttt	840
gtctaatacc	ttcaggagtt	caatcctagg	ttgaagctta	atttaataac	catgtggcat	900
gtaaagtaga	aaacaaaaca	tcttttcctt	agcatacagc	aaaaaaaaaa	aaaaaactca	960
ctcatggatg	tagtgtacac	atgccagtgg	atatatagtc	ataactgcag	tcattggtag	1020
cacagaaata	aatgtgcatt	gaagacacag	agannnnnnn	nnnnnnnnn	nnnnnnnnn	1080
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1140
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnngg	1200
gctagcccag	tgtctgactt	actgtgttta	agaaatatca	. actattacgo	: tacttcccag	1260
tgacagtcca	aatgcagacc	agtgttataa	ctctacnnnn	nnnnnnnnn	תתתתתתתתתת	1320
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	תמתמתמתמת ח	1380
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	n aggcaaggtg	1440
gtaaaagacg	cttgcacgtg	caaatgttac	: tttgtgtaac	tnnnnnnnr	תתחתתתחתת ח	1500
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	תתתתתתתתתת ה	1560
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1620

FIG. 5B

tgggcttgag aaaaaacctc ttcatagaat tgtttgcatc agtgtcttga ttgcctctgt 1740 aacttacaat aagcaagaat gtttcaggat ttcaaaaatc tattgcattg cctaaacctc 1800 ttattttgta tggagtaatc aagctcaaag tttgcatgtc ttagaaactt tacttggggc 1860 aaaattagac caagtaacaa ttaatcttct aggtattctg agctattcag acatatgatt 1920 catgtttgct aattgctctt ttctcttgta aatattagct gaaaaatgtc acctgtctga 1980 caagtagcat attttatgcc tatcactect ggcacgcatt cttacaaggc agacaggaaa 2040 aataggaaga aaatggactt ttatcaaagg cccaggcagt aaagagggga gttctgctgt 2100 aagctaaggg gagttccaga ggaagttata ggcgttccct ttcttatgac aagaaagcat 2160 agtgcagtaa ataaatttgc taaatagatt caacagtctc tacccaaagt catctattta 2220 attettgttg ttatgcagae teageaacta acetteettg taageeceat tttetteeet 2280 gtttcctgtt tatcaaatgt aattaaacaa gagaagtatt atagaagagt aaaagtagta 2340 ggtaattett gaacttggca tatgattact acatatttga tgaatagttg aatattatte 2400 ttcaaggaca gattggattt ggtatcaggt ggctctgcat taagttataa gggacttaat 2460 aactcaagta tttaaggacg gcttccatca taaagggatc tgcccttaag agggtcccat 2520 tatggagatt ctgaggtgag agctattcca agtgtgcagt ggattaaaat aaaagaatca 2580 tacaggaaat ctctttttac atgccttatt ccagggtctt tgcaacctgg cacagcaagt 2640 gcagatatga ttagcattgt tttacacatg tacactcacc ttatagccct gcccctgtgc 2700 ccctcctgca caaaagaatg ctgggcacac gtgaactcct ctctgtagaa aggcacatta 2760 atgttctagc catggttaaa acagggatag aggcaagcca aaaatgtcgg tcatttgaaa 2820 taaatotoaa gtttgtgcat atcactatoa agtgtgctgt gtggcaatta agaatgccaa 2880 tttgtgtgat cacaggcaag ttgcagtttg atgaaaggaa agcagaggtg aatatataac 2940 cagggtcatc ctttcttct ccctctctc ctttctgtca tttatttgcc aagctcttaa 3000 ctagaacttg ctatgtgcta ggtactggat atatcaaagc aaactcagcc tggtctttgc 3060 cttcaaagat ttgcaggata gtgggaagaa aaacttgaat cagaggacat ctgcagtggg 3120 aatcattcaa gcagcagaaa acccaaaagt tacttatact gtgaaatctg atcagagaat 3180 ggactgtcct ggttagtaaa atatcctgga ggataaagat tggccatgca ttccacatat 3240

FIG. 5C

gaattaccac	tttcccaaga	attaaaacat	ggtacgaaag	aaaggnnnnn	nnnnnnnnn	3300
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	ממממממממממ	3360
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	3420
ממממממממ	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	3480
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnna	aacaacttct	3540
ggaatagcta	atgcttagaa	gcagctccca	aatatttgtn	nnnnnnnnn	nnnnnnnnn	3600
nnnnnnnnn	nnnnnnnnn	gcaagctcta	ctgaacataa	tttgatctaa	tcttctgtga	3660
ttattcagaa	actacttcaa	gattttccta	tacctccatc	ataatgaata	cccattcatt	3720
aatgatggaa	gcagcctaat	tttgtcattt	ttcacacttt	attgatgtaa	cactaccttt	3780
actagtttgg	ccactcctta	tgctttttt	atagaactat	ttagatcaat	tcaactttta	3840
aaaaataaag	ccacataccc	ctgtggtaga	tgaaaaacaa	gtatcatttg	cactggtaaa	3900
tagagaatag	gaagaaaaat	aaatgcagtg	aaaataaagc	agtgttatca	aatcctaccc	3960
agatactgtt	atctacccgg	aagcttcctg	tttgattaaa	aggaaaaata	gccagtgtta	4020
gaggtgtgga	agtctagttg	aaattatatg	caattgaagg	attaaaatag	aattgaaaag	4080
ggaataaatt	cctctctgaa	taatttaact	ccctttaggc	tttgattctg	cctcatctaa	4140
aatcatctta	catacttcta	gtggcgtgtc	cctcacattt	tggtaaactc	tgnnnnnnn	4200
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	4260
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	תחתתחתחתח	4320
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnnn	4380
nnnnnnnnn	nnnnnnnnn	מתמתמתמת	nnnnnccat	ttttcctttc	cctttattgt	4440
cagaaaatag	aaagcatcta	cagtgggctt	gtatgatgtg	gtggttagaa	atacctgatc	4500
tgattnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	4560
תחתתתתתת	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	4620
nnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	4680
nnaccatcac	tggtgagagg	aagtgatacc	tggcacaaaa	atatatggat	taatcaatat	4740
ggattgaggg	aaacaaacct	ggagaatagg	atgtgaaggt	atttaagtaa	catgagctca	4800
gaccttgatg	gtagggaagt	cgaaaggaag	cattttgttc	ttatatgaca	gatgacctgg	4860

FIG. 5D

aatgactgca gggcttgggg ggtcagggac tggaggtggg agaggcctct gagagcaagc	4920
agtgctgtcc accagaagct cttgctgggg tgcccagaga ggagcaaagg gcagtcagct	4980
gcacaggagg gaatgtttgg aggagagagc cacctcagat cagcgggtca agaatcccac	5040
tcttgcccag atggatgggg caaaggagaa aaaggattcg ccacgggaat gtccagataa	5100
gacaggtgcc ttttggaaaa tgggggtgag atgggtctca ggttacactt cgtaagaact	5160
ggaatgtaaa gtaaaggcag acaatgacaa aatatcttgt tttcttttca gct tta Ala Leu	5216 20
ttc aca gtg aca gtc cct aag gaa ctg tac ata ata gag cat ggc agc Phe Thr Val Thr Val Pro Lys Glu Leu Tyr Ile Ile Glu His Gly Ser	526 4 36
aat gtg acc ctg gaa tgc aac ttt gac act gga agt cat gtg aac ctt Asn Val Thr Leu Glu Cys Asn Phe Asp Thr Gly Ser His Val Asn Leu	5312 52
gga gca ata aca gcc agt ttg caa aag gtg gaa aat gat aca tcc cca Gly Ala Ile Thr Ala Ser Leu Gln Lys Val Glu Asn Asp Thr Ser Pro	5360 68
cac cgt gaa aga gcc act ttg ctg gag gag cag ctg ccc cta ggg aag His Arg Glu Arg Ala Thr Leu Leu Glu Glu Gln Leu Pro Leu Gly Lys	5408 84
gcc tcg ttc cac ata cct caa gtc caa gtg agg gac gaa gga cag tac Ala Ser Phe His Ile Pro Gln Val Gln Val Arg Asp Glu Gly Gln Tyr	5456 100
caa tgc ata atc atc tat ggg gtc gcc tgg gac tac aag tac ctg act Gln Cys Ile Ile Ile Tyr Gly Val Ala Trp Asp Tyr Lys Tyr Leu Thr	5504 116
ctg aaa gtc aaa ggtgagtggt gtcaaggact agaatccatg gaagctctct Leu Lys Val Lys	5556 120
ccaacagagg atctgcaagt cacagaaacc cattaaaggt agctcaagca aaaacaagca	5616
ggctgctttt aaggagacag ctatttcaga gaaaatgaaa gcatctgctc ggaaataatt	5676
tttgacatct gagtacaaag cagccgaagt acaagtgaaa gggggtagga cctataggaa	5736
taaaatggga ctggaggaag ccaggaaaat tagtccctga aatgtgggag ggtatgaaaa	5796
ataagctttg cctaattcac aattctccca tggaacatcc ctgacttgat tattaagata	5856
ctctttttca atagtttata ccctgaatcc agagttttta aaaccatggt ttgccgccca	5916
ttcatggatt aaaatatcaa tttagtgagt agcaaccaga tgcacgtttc ccgcccttta	
aaaaataatg tatagaagag aatagacaga gtagatcaga cgatatcaca gagtaggact	
gagtactgta aaactaattt ctgagggacg tgtgtgtgtg tgtgcgtgtt gggtcatggt	
ataaattttt tttttcttac tttggatcat aaaaagttac aagtttggaa aacactgctc	6156

FIG. 5E

aaatgcaagn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	6216
nnnnnnaga	gtcccatgaa	gtctatagct	gtccctattc	ctctggattc	agggatctct	6276
ccactccagc	acaattgaaa	atctaaatat	aaagagaatc	ttcacactct	tgtttgttct	6336
agaaaaggtg	atttgaggaa	agacatataa	caactataaa	aaatagattt	tgcttgttca	6396
ttggcttatg	gtctccaggc	ttgaatgctc	tgagataaat	gatgccaata	tttctctggc	6456
ctcttcccat	cccacgcatt	ggacctcaga	tggtctgtac	tgtcttctag	agggtttgtg	6516
ggttttggcc	ccaaaaaacc	attaaccttg	gcagaaagtg	tgtgacttta	tgatctggta	6576
caaagaagga	caaactagag	ggactggaca	tgaggatgaa	tattgtgttc	gcccttatnn	6636
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	6696
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	6756
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnaaa	gaccctcagt	6816
tgttacaggg	gcagtgacct	cctcacacct	caaccatcaa	tgagtcacca	ggaaagccat	6876
tagcctagat	gtaactgttt	tctatcttta	ttgcatttcc	tacatccagg	cagcagctgg	6936
gaggaactct	agaacactga	agtttgtctg	agttccctta	atgtaaggct	gtacattctc	6996
aggatgcctt	gatgtactcg	aatatctgca	accctaaatc	accacctctg	tttttattga	7056
tctctatctg	aatgctgtat	taatgggcca	ggccttctgc	ccattctctc	aaactgagaa	7116
ctgtctctca	ttcctgggga	ggcaccctgc	ctactcctta	cctagatcag	ggatttctca	7176
gttgtggaga	. gatttgttcc	ttatagtgtt	ggtcatcaaa	ctgggatatt	tggggattac	7236
aaagactttt	caagggatgt	atgggcacag	gcagttttag	gaagtgagtt	: cctagatcct	7296
catcttcccc	: aaatactcgt	tcccaaaatt	. gacgagcctc	, acaatgtgca	tgccaggcaa	7356
ggctcttggg	gttcccctaa	aacacttcct	cttttaagco	taccactcac	c tcatcatgaa	7416
tatagtccat	tgtcccaggg	; tgtaaaacco	tctatagtgt	taaataaaa	g aatgattggg	7476
aacattgaca	a cctgatggaa	ctgttatgac	taaaaaccct	tttgcaaata	a atgtggtatc	7536
taattttcto	g ctttcaacaa	a aattgaagga	ggcccttata	a aagttaataa	a ctgataatca	7596
aaaatgagta	a atttttgcca	a tgtaaatcaq	g gtcaaagaat	gaaatggcat	t tgctgtaacg	7656
aaactgctto	c cattcccatt	gatttactca	a tacgaacaa	g attccttage	c ctttataago	7716
tacaaaaaaa	a tgaaaaataq	g aaatagaatt	t gaggetgaat	t tctattata	t aaaatcatto	7776

FIG. 5F

caaccatgtc	atatggttct	tcggattcat	gaataatttg	gaaaagagag	ccatatccat	7836
cttattaagg	gacacattcc	caataaattt	tcatctttca	tgtttaataa	ttatcaatat	7896
tcataacatt	ttacattttg	atcaaatatg	tgttaataat	aatagaaatn	nnnnnnnnn	7956
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	8016
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	מחתתחתחחח	8076
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	8136
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	8196
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	ממתמתמתמת	8256
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	8316
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnattag	atcttaatgc	agaacaccct	8376
gaacatttaa	agcttcatag	tcacaagaga	aaagttttca	tttcaatagc	tataaatatt	8436
ttgttgttgt	aaagacatat	aacgataatc	aatacaaaat	ctgtcaaaca	aaaatatgtt	8496
acattaagat	aaaattctgt	agggaaggtg	aaattggaag	tgagtttcaa	tgaatgaaaa	8556
gaaacaattt	agacagagaa	gnnnnnnnnn	nnnnnnnnn	מתחמתמתמת	nnncttagaa	8616
ggaattgaat	agattaggtt	ccttacccaa	aaagcctctg	ttatttgtct	tatttattta	8676
ttctcttttt	tccacattct	ccagtctcat	tccccttttt	taacacagga	aattattcca	8736
gcatgtttca	tacatattct	tttgtttgta	agagcttatt	taaaatatgt	aatattgttt	8796
tagatgcata	tattttttt	cttgtggaaa	ctatattgta	ctatatatat	atattttaga	8856
aatggacaca	ttannnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	8916
nnnnnnnn	nnnnnnnnn	ממתמתמתמ	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	8976
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	9036
nnnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	9096
מממממממממ	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	9156
nnnnnnnn	nnnnnnnnn	nnt				9179

FIG. 6A

tagatotoag otttottgag goagggagoo atatot $\mathfrak g$ ttt aattoactoa goatatactg $\mathfrak c$	50
caaagaagca gnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnn	120
gggagaagtg cagaataaat atacccaact ctttactatg tatagacatt atctaggtct 1	L80
tattttttt totottotta atotoaaaga aaacagagga aaggaggaag taaaaagtaa 2	240
atttttgcct gaagatgttt ggaaaaaata ccaaataaag tgagatagtg ggtaatctag 3	300
tgatttttat ttttccgtcc tctttctggc ctccaattgt gaaataattt atagcactgt 3	360
aagaaagaag ccacaaattg tggtagcttg gaccactgtt gaggnnnnnn nnnnnnnnn (420
nnnnnnnnn nannnnnnn nnnnnnnnn nnnnnnnn nnnnnn	480
nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnn	540
nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnn	600
nnnnnnnnnn nnnnnnnnn nnnnnnnnn acttaatatt gatagtgata attttattca	660
tttcacatgg catgaagtac caagctctat aggaatcaga aaataaagtc ttatttcttt	720
TECTECECIA LEGICCA GOL ICC TAC Agg ada ata ado ado dos das ado des	770 1 31
add dil coa daa aca dat dag gea gag eee aee ege eng s	818 147
TAL COLO UCA GAA GEA ECC EGG COA AAC GEO AGO GEO GEO GEO	866 163
acc agc cac tcc agg acc cct gaa ggc ctc tac cag gtc acc agt gtt Thr Ser His Ser Arg Thr Pro Glu Gly Leu Tyr Gln Val Thr Ser Val	914 179
ctg cgc cta aag cca ccc cct ggc aga aac ttc agc tgt gtg ttc tgg Leu Arg Leu Lys Pro Pro Pro Gly Arg Asn Phe Ser Cys Val Phe Trp	962 195
aat act cac gtg agg gaa ctt act ttg gcc agc att gac ctt caa agt Asn Thr His Val Arg Glu Leu Thr Leu Ala Ser Ile Asp Leu Gln Ser	1010 211
aagagctgcc cccacttcct aggtctatca gttagggttc agacaagaaa cagatggcat	1070
actcgagtga tttgaggaga gtgtaataaa gggactgttt acaaaggtgt gatcaccatt	1130
tggagaaact acaaaggata gtgcagaaca ctggggcttc aatgttggga gggcaattac	1190
cactgttgga gaagttactg gaatcagaag ggagctgtag ggaaagcccc acttcccagg	1250
agctgtagcc acagaatagg gaagctgcca catgcagcga ctccaaaggg tggaaactgg	
atgaatgaat accedaacte atteteetee caecetecaa teteetgeta geaceteeca	

FIG. 6B

ttggctgaac	ccagctagaa	gtcagagaat	acaagggtcc	actgttgtat	tccataaaag	1430
tcaacttctc	agggctcaga	gcaatattga	catgtacaga	atagatctgg	agaggaaaca	1490
gaaaatatct	agtacaatag	ctaatcactg	tgattcatgc	acagtgtcat	gagccagcag	1550
gatgaatatt	cctttgctgt	acttgctgcc	agtcagctgg	ttatgggttt	ttccaagaaa	1610
tttggtctct	aacaaaattc	ttcagagcct	ttactgacta	tgctggatat	ttttggaagg	1670
gatcccatac	ttttgaactt	catacagcag	aatttcaaac	aatcttggga	aaataacaac	1730
tttatctgc	ccagtaagga	caactaacac	ctagtatcat	aatcatttcg	taagagacag	1790
gtaatttcat	caccgagtgc	atat				1814

FIG. 7A

ctactgagaa	gggatatact	ctcagactaa	aggacagtcc	ctagtactga	ttcaatctgg	60
ctttatagaa	aattcactat	attgtcattg	tatttcacag	tttgcccttt	gtcttagctg	120
gtaagacaga	gcctatgata	aggacttgtg	tggcatgcag	gtatttaatt	ggcaacccca	180
gagggcagaa	gcaagagatt	taggagttta	agagagggta	atataagagt	atattatcaa	240
agttgtagtg	tggacaacag	aaactcaaat	attcaaggac	cagcatgtag	acagcctcct	300
aagatgtcta	ctcagacaaa	gaatttcagg	tggaaggact	tgttcatctg	cttcacgccc	360
attggttgac	aggaatatga	actccattct	gctgctgggc	tagacatgca	tgtgggctga	420
gtgagctttc	cccagtatcc	gtagcatcag	aaaagtcgca	gggcagaaag	aaaagtatcc	480
aatttgaggt	gaattactga	ccttgaagtg	agtgtaagcc	taactagaat	tctaccccag	540
ctggctgaag	tgaaaggtga	ggctgagagg	aaataaggca	ggactgcaca	gtccccaatt	600
gtactgttca	aatccactca	tgcccttcat	taagtcagct	ctgccactga	gccttccagc	660
tgggaggcag	ccacaatctc	tgcagaagat	ttaatataca	ccagtttgtg	gaacaagctg	720
tnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	780
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	840
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	900
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	960
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1020
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1080
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1140
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1200
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1260
nnnnnnnn	nnnnnnnacc	: tgcagcactg	ggatagccct	ggtacagacg	f tagaacatgc	1320
ttgaggaggt	tgtcaggagg	aaatgagtta	gaccttgcac	agaactacca	ı ccatcaagta	1380
cagttggggt	gaggcagaca	ı tggtatgagt	: tgaggcatca	a gagatatcto	g atgctttatg	1440
ccaaattaaa	attaatttt	: tcatggagto	g acactgated	c acagaccaga	a ctccaagaac	1500
tttgcagtga	a ctaaatacco	c atctcatcat	aactttcctg	g gtattttctt	ctggaaaaaa	1560
ttcttccctç	g atacagtttt	cagaggcage	c tagatgcact	gtcatctctc	c cccttttccc	1620

FIG. 7B

3	acttccctac	ctatccacaa	tttactaccc	aatgccaaca	ctaaagttag	cccaacttcc	1680
ţ	tctaactaa	attattagtt	tagaaggaaa	gagaggagtc	atgctaagga	tcttaactgn	1740
r	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1800
1	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1860
]	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	1920
]	nnnnggggag	aggagggag	aggaggtagg	gaggggaaag	aaagaaacta	gaaatccatc	1980
į	aattttagga	ccaacttcag	gtaaaaaaat	gaattaggca	agttggtctt	tcaacattct	2040
,	ctacctctct	ttatatcatg	gttgagacca	cagacttctc	acctcatgaa	agatgaactc	2100
	taactaattc	atactaaagc	taaagcctct	aaagaggatt	aaatatgagc	aatcccacga	2160
	gaactttttt	cccctggaat	tgtttattca	actgtcgttc	gttatatgga	atttcctgcc	2220
	tggttaagtg	taggccagta	ctttggatga	attgtagttt	tctagaaaga	cgcttcttat	2280
	ataagaacct	ctccagggaa	acaggggcct	gtatgagatg	aattgagaaa	taactttaca	2340
	ccactgatta	tgtcagtgtt	ctattctgca	tggtagagat	gtgaaagggc	agactgacca	2400
	ttgctctgga	agcctttacg	ctgtgagaag	ttaacagtgg	agtaaaatgg	ccactccact	2460
	ctcttcatgg	aagccaacat	ggcttactaa	atagtcaaca	accatgggag	agacctgtgg	2520
	ggtcttcatc	agagctcagg	atctcctagg	gtatcactca	taaatacagc	catcagggag	2580
	atggagaaat	ctttgtgcag	ccagaaattc	tcaacctggt	tttacccatc	cttcccaact	2640
	ttgtattcgt	cctactgttt	actgacatgg	atcctctgct	tcattaacca	tcccttcctc	2700
	accacatgct	ctctgaactt	ggctgcacct	tttctacctc	: catgccttct	ttgctcaggt	2760
	ttttccacat	aaatatcatt	atttccctct	ctactagete	: caagcccacc	: ctctctctgg	2820
	ggcagctcag	tcactccagg	gcacaagggg	g gtctttccct	: catcccacat	: tttgagacct	2880
	actacctgga	ccatttgttt	gccttgtaac	c tatgcttgcc	c tttttaatto	g ctattttatt	2940
	ttccatgtat	tttcattgtt	: cacacaagto	ttctttattc	c cacactaago	g caaaagcaga	3000
	gtcctgtgtt	cataataagt	gctcaacaaa	a tgttgggttg	g attgggttgg	g agattccatc	3060
	ttagataato	gcagtcccat	catgccagct	t accagactgt	gtggacagco	c aggtcagago	: 3120
	agccaaatga	a tattctagct	tgtggcacaa	a ataccagcaa	a caaaataac	c aaagtcacac	: 3180
	atctgcctct	gagttcctgo	g cttctattt	c tcaagggcat	ttttaagtt	g tcttatgact	3240

FIG. 7C

gttccctttc	tactcattct	cataaattga	gctgtggact	gctgtgaccc	acaagcttct	3300
ccggaagtca	atgtataaaa	caaacacgga	aacgaagagt	atggtgggtg	gagggtactc	3360
cactgactct	agaatggatg	actgaacatt	ccaaatttca	agcacaagtt	agggagcaac	3420
agatcatttt	ccttttgaaa	tagggtttct	tctgctcagc	cagttgttgt	attttcatta	3480
ggaaatggaa	tgggactaca	gcacaaaaaa	taaatataaa	aggacccttg	tagggctggc	3540
agaaaagaga	atccttccta	ggagacctgg	aggtgattcc	aggcnnnnnn	nnnnnnnn	3600
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	3660
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	3720
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	3780
nnntcagaaa	gtgtgcaaac	agtaaaaaaa	aatggtatat	ctagcaagtt	gcatgcctta	3840
cttgtgagtt	catgaagttg	tggcaaggat	aagacaaata	ttttttgcca	ttgcatcatt	3900
atatcattgc	taagagtatg	ccattattnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	3960
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	4020
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	4080
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	4140
nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	4200
nnnnnnnnn	nnnnnnnnn	nnnnttaatt	aattaaatta	aagaaacgac	aaaagagtat	4260
gcaagaattt	taaaacaact	tagaggaata	tgtatgagga	tacaggctaa	gctaccataa	4320
tgaagagacc	tcgaaataca	gtgagaagcg	agacagaagt	atctttcgtt	ccatgtaaca	4380
ctcaggtggt	tcagagcagc	taagcagcta	tgttccatag	agtcattcag	tgatccagat	4440
tattttcatc	tgttgctctg	ccattctcca	ggatgttgtc	cctataaaat	tgtcaaagct	4500
cagtcagtgc	caaacccatg	tttcaacctt	cagaaagtaa	acgagtggtg	gaaaacacat	4560
tcaatgtttt	aaggccaaga	ccttgaaaac	tcactctctt	agcctgaact	tagattacat	4620
ggctgggccc	acttaactat	aggggaggct	tggaaacata	gtctctgaga	agccatgtgt	4680
ccagctaatt	ccctaatact	aaagttgaaa	gaaagaatgg	attaaccagc	agtataccac	4740
aaggtaacaa	atgactagga	ggatcaggct	aggtggacta	gaaaagagac	agtcaattca	4800
gtgcaacaat	tccatattga	cacttttcat	gtagctgttg	cttggctcta	tctagagagg	4860

FIG. 7D

actcagaggt	agtttagata	aggcctttgc	cctccaaata	cagtctaagc	agactgattt	4920
cctactggat	gttcaacttt	ggagtcttca	gggatgagta	gggcttctgt	acgtggaaga	4980
gactatgagg	gaacctgcac	aggacaaggg	tttgcataaa	gacactgagg	tagggacctc	5040
tcctgttgtg	gggacagtga	gaggcccagg	tctccttgac	tcacaaagtg	cttactaagc	5100
acttactaga	aattaagaag	cagattataa	tcaatatggg	ttatccaatg	tttggatgag	5160
caaggctcct	tatcttttct	tcgttaatgt	taatcacact	cttttggatg	gagacaaata	5220
tctgtggggg	ctnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	5280
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	5340
nnnnnnnnn	nnggctcaga	ctaaataatg	tctaatctct	tctccagtaa	aacaatccgt	5400
ggttctcaga	tagcactgtg	ctggaggtag	tggggtttga	gggctgggaa	gttgggagga	5460
ctgagccctt	cccgctgagc	agtttcgtcc	agtttttcct	gtaccagcct	gtcatgttta	5520
ttccatgtga	atgactccag	aggcaaaatt	caagcttttg	aatagggcac	aaattaactt	5580
gagtaccctt	tcatttccct	gtaggtgaac	actcctctag	ccctgccttt	tgtcagtctg	5640
gagcccttgt	tctaatctgt	acacaccaga	ggactttaca	aggctttccc	cagcctccag	5700
aattattctt	ctgatccacc	ctctactaaa	ctcacccttt	cctcagtgct	aggacgttga	5760
aaaaccgaaa	caaggcaaag	ggccaattgt	aataattcac	actaaggcat	gagtgactag	5820
gtttagtata	ttaacactac	ctaggatatt	ctatttcttc	caaaaggatc	ctgttaatcc	5880
ttgaaattta	acaactaatg	gtatagattc	taagcactgt	gagtacttgt	cagtggggga	5940
aagacatttt	tgggctgaga	gactttgcca	ctgnnnnnnn	nnnnnnnnn	nnnnnnnnn	6000
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	aagaaagatg	attagatnnn	nnnnnnnnn	6060
nnnnnnnnn	nnnaaaaaat	aacatgagag	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	6120
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	6180
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	6240
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	6300
nnnnnncaca	. gagctagccg	tgttggctgt	cacccactca	tgtggccagc	: ctgttggtct	6360
acctcttagt	. tgccatgtaa	caggattctg	g gtgcttttcc	: tttgcccago	g t cag atg Gln Met	6417 213

FIG. 7E

gaa ccc agg Glu Pro Arg	acc cat cc Thr His Pr	a act tgg c o Thr Trp L	tg ctt cac eu Leu His	att ttc atc Ile Phe Ile	Pro Ser	229
tgc atc att Cys Ile Ile	gct ttc at Ala Phe Il	t ttc ata g e Phe Ile A	cc aca gtg la Thr Val	ata gcc cta Ile Ala Leu		6513 245
caa ctc tgt Gln Leu Cys	caa aag ct Gln Lys Le	g tat tct t u Tyr Ser S	.ca aaa ggta er Lys	agtgag tttt	attcat	6563 255
ggtaacccaa	tgcactgggt	gtctgcagca	tgagccactg	ctttgcactg	caggcctatg	6623
gcttgctgct	ttcatgctaa	acccactcag	agcttatgaa	ccactttgag	cttgtcttga	6683
tgattatttt	tccccagaag	aaaatggctc	tcatcgtcag	tgagctgaac	ttcttacact	6743
gagttttta	aagggaatgt	tttgttctta	tgtctgaaag	agtttgtctt	attctttgag	6803
ccaagagctt	tcatcagcct	catgagagtg	atgttatttt	ggcaatgcag	agagctacgt	6863
gctccgattt	tgctggtggg	aggttgccag	gatcctttct	gaggattcct	tccattttca	6923
ccctctttt	ccccagtctg	gatatgacct	gggttaaacc	caccccctct	cccaggaatc	6983
tcaacctcac	ggttgggtaa	ggaaaggaga	aaggtttgtg	aggccatttg	gggataagga	7043
aacagctggt	tggtggtgca	ttaacgtctt	tcagcagctc	ccttcgagtt	tctccttagc	7103
ctgttgtatt	cttaccaaca	cactcctgtt	ctgttgtacc	agctgggaca	gagcatgctg	7163
aagcctttca	gccctgattt	cattgcttca	ttgttcatgt	gtctgtcttt	ggtttcctgg	7223
gtggagcctg	cccacaaaac	ccccagaatg	tatgcaggcc	tagctggtgc	tttcctaaac	7283
ggctcccttg	tctgcactca	atgaacttct	ccaaagatct	atacatggcc	tcatctatag	7343
aaagagaaat	gacatgtgga	aataattcag	taggagtttg	cagcagcact	atctgaggac	7403
taggggaatt	ttaagtggtt	gttatcttac	atttatactc	ataacttcta	tattttcatc	7463
tgccataaaa	tattgtcatg	ttctatttgt	ccattgccct	atgtgtgtat	gtattcactt	7523
gggtgctgac	: cacaatattt	ctaactgtag	aatgcaagga	attgttgcca	aannnnnnn	7583
nnnnnnnnr	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	7643
nnnnnnnnr	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnncttca	tggtaaagga	7703
ggaggtatgt	ccaacagaac	ttcgactttt	: aaatagaacc	: acttcagaga	gttgtgtcag	7763
gtgcacctca	ı gttgtcttat	cttctgccat	tcttcttta	cctctcacac	c ccatacctca	. 7823
gggttcaagg	g cctggggcct	gaggactcct	: taataactto	agaaatgago	agctgagtgt	7883

FIG. 7F

teegtteeag	ctgtctttgg	gagaatggaa	tggagtcaca	ctcaaagata	gagtggaaat	7943
aaatcctctc	ctcatccttc	accccaatct	taagagtgag	tgaggatatc	agtageteeg	8003
agctgggagg	taaagctcaa	gttctaactg	tgattaggag	acctttctta	caaataagaa	8063
ttaagtgaat	aaatgtgcaa	acaatttctt	ttatattttt	aatgaaccag	agagaaatca	8123
tggttgccta	tataaccctt	gtctccaact	cacttgcatt	cagatctgct	ttcttacatg	8183
tgtctgccat	gcacacaaac	ttgtgtgcca	tggaaaaggg	ttgagaactg	ctggtgatgc	8243
agacagagct	ttaaannnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	8303
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	8363
nnnnngcagc	aagagaagga	acattttaca	gcttattggc	cgaacttcac	tgccgctagt	8423
gtggttcaac	ttggactaca	gagaaatctt	cctaactggt	ttccctgtat	tcactcctgc	8483
tacctccaac	ttggtctgtt	ctcacttttt	gctataatag	gcttttaaaa	atcataaatc	8543
taccatgtgt	cctctgtcca	gaccttctcc	atggcttctt	attgctcact	ggatgaagtt	8603
ccaacgagcc	caggatggtt	tgactcatgt	ctccagcttt	aactgcatca	ccatcacctt	8663
cattgtctaa	agctctaacc	acacaggatt	ttctagtcct	cagaggcatg	gcagtctttc	8723
aattccgagt	tttctcatac	aatattgtct	cttcttaaaa	tatttttct	tgttgtccac	8783
ctgagttgga	gtcatctttt	aaatctcagc	taagcttata	cttcatcaag	tctttcctaa	8843
ttctacctcc	acgcaccaca	cccattacat	taaatcccct	tattatatgt	ttccatagca	8903
cctactttct	tcttttcagt	atactcagca	cacaatcaca	tgtctaggat	ctgttttaat	8963
agcttggact	accaattaaa	. ttgcatccct	tttaattgtc	: cattgattcc	tcaagtaccc	9023
acatgcccat	cttagcaaga	agttcagtgt	ctccctctta	tagcatgtac	ttctccacct	9083
cccacaaact	gccagaaagc	: ttacttagco	c cacagggcca	ı gtgctaggca	gctaggttag	9143
tcctccagaç	g ggccctggtt	ttgagcagtt	gctgtctact	: ccggccatgo	: agaatctctg	9203
gtccttccac	g atgtctccat	ccactgtgca	a aaggtaacct	tgctggttcc	gatececaca	9263
cagaccacag	g tgctacaaga	a ttacagttct	tatggttccc	c caacacatgo	: tctgtcattg	9323
gtcccaaago	aggaccccta	a tgggttgato	g aggtaggagg	g aggtccctgo	c cttagccaca	a 9383
gctgcacaca	a gccagcctct	: tecetteta	g gccctcatgt	tgageetgg	g acgccagtco	9443
taacttcct	t ctcttcagt	cctcttagg	g ccattggtat	cctgaattt	c ttagtccatt	9503

FIG. 7G

gcaaagttaa	gtaaagaagc	agcaggcttg	gtccctttcc	ttccagatgg	cttcttagct	9563
cctgaacaga	tttacccacc	tatacctcag	tgactagctc	tgtgtactaa	agtgtattgg	9623
gagggcagcc	attattggtc	cataaaaggt	cctgcttacc	attttcccct	aagaggaacc	9683
attcaacagt	ttggggctcg	agggtgacct	gctgggctct	agagaagaag	ctggcaactt	9743
ctgttgcaaa	ataatgttaa	attctgcttc	atctgcttgt	cttnnnnnnn	מתמתמתמת	9803
nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	9863
nnnnnnnnn	nnnnnnnnn	nntaaacatt	gaacctacta	tatgcaggtg	agtatgctag	9923
atnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	ממממממממ	nnnnnnnnn	9983
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	10043
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	10103
nnnnnntgn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	מתתתתתתתת	nnnnnnnnn	10163
nnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	10223
nnnnnnnnn	nnnnnnnga	tttgaataca	ggtctgtttg	actccaaaac	ttgtggccta	10283
tttgttgcaa	aagtgcttaa	tacaaattgg	ttcagtcaat	attattatct	ttgaacaatg	10343
gaaggagaaa	gtaagtttca	atccaaaata	attgagtgac	ttatacattg	acttgctgag	10403
ccaatggcaa	agtcaagtta	gaatccagca	gaagtcacca	gctacagaat	ctagatcttt	10463
agaacatgtc	ttcagatctt	cagaacagtg	tttcttaaac	tctcttgtga	aggaacagtt	10523
atcatcatag	gctggtaaca	gttcacctac	cagcaccagc	ccatgaacca	gactctaagt	10583
ggcacagccc	tagaagattg	agccagaatt	ttacagaggt	ttaaagacca	aatatgctgg	10643
tttatggtta	cctgtggccc	acagagaatg	gcagcactaa	cctcaggcat	aaatgaggta	10703
cccactgaag	ccaacattca	agagcaattc	ctatgggtta	accattgggc	tcctttcaaa	10763
tgcaaaccct	catgaaagag	actacagtgc	tgaatagaga	cctccaaatt	ccaggccaag	10823
ctcaggatag	tcatgaggga	attactaaaa	acctggtata	tagggcaaaa	gcagaattag	10883
gaatggactg	atttcaggaa	cccaggcaat	ggcaggagtt	gggcattaaa	tcctaaaaga	10943
gaatcagagt	gggagggaat	atgtgaaatc	agaggttaag	aaaaaagtga	aaacctnnnn	11003
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnnn	11063
nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	11123

FIG. 7H

nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnn
nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnn
nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnn
nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnn
nnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn
nnnnnnnnn nnnnnaaaaa attaaaagaa agatgtgaaa tcaaggaaac ttactggtga 1148
gcagcatccc attatgtgaa cttgtgcttc tgaaccagta acttgagtta ctttgagcca 1154
gtatcagtca cttatacctt agtgcaaaat taattgatca gacattctga cctggaccag 1160
ggaaggcagg cagaagtagc agtcaagact aaagcagaaa agggagagct aattctgcag 1166
ccagacattt cctggattga atacccaaat tagtccctca gcctttaagt gcctgagggc 1172
caggagtaga cagaggaatg gaaagtgtga gacttctttg ttcacactct ttgcctaggg 1178
gccagatttt gctttatgca ttaccatccg aagtcccagg ccacagtgaa catttgggct 1184
togotatgtg gatttattta gatttacttt ttgtcctgcc atattttaat ctataagcca 1190
aacagttttc tcattaatct tattccattt ctggaatttt tccttttca gac aca aca 1196 Asp Thr Thr 25
Asp Thr Thr 25 aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct 1200
Asp Thr Thr 25 aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct 1200 Lys Arg Pro Val Thr Thr Lys Arg Glu Val Asn Ser Ala 27
Asp Thr Thr 25 aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct 1200 Lys Arg Pro Val Thr Thr Lys Arg Glu Val Asn Ser Ala 27 gtgagtaagc atgatttta ctttctttc ttacttctt ttctctctca gcttgaattt 1206
Asp Thr Thr 25 aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct 1200 Lys Arg Pro Val Thr Thr Lys Arg Glu Val Asn Ser Ala 27 gtgagtaagc atgatttta ctttctttc ttacttctt ttctctcca gcttgaattt 1206 taaagtaacc actgttctat taattcatgg aaggcaactg aatagttcca gcttatagaa 1212
Asp Thr Thr 25 aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct 1200 Lys Arg Pro Val Thr Thr Lys Arg Glu Val Asn Ser Ala 27 gtgagtaagc atgatttta cttttcttc ttactttctt ttctctcta gcttgaattt 1206 taaagtaacc actgttctat taattcatgg aaggcaactg aatagttcca gcttatagaa 1212 tcttcctgtt tggtagcatt tcagcgaagc ctcgttctta gccccagaac aatcatgcca 1218
Asp Thr Thr 25 aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct Lys Arg Pro Val Thr Thr Lys Arg Glu Val Asn Ser Ala 27 gtgagtaagc atgatttta ctttctttc ttactttctt ttctctctca gcttgaattt 1206 taaagtaacc actgttctat taattcatgg aaggcaactg aatagttcca gcttatagaa 1212 tcttcctgtt tggtagcatt tcagcgaagc ctcgttctta gccccagaac aatcatgcca 1218 tcttttgctc ggtctatatt cctaagcact cctagatgat actgcactgg acctctggtc 1224
Asp Thr Thr 25 aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct Lys Arg Pro Val Thr Thr Lys Arg Glu Val Asn Ser Ala 27 gtgagtaagc atgatttta cttttctttc ttactttctt ttctctctca gcttgaattt 1206 taaagtaacc actgttctat taattcatgg aaggcaactg aatagttcca gcttatagaa 1212 tcttcctgtt tggtagcatt tcagcgaagc ctcgttctta gccccagaac aatcatgcca 1218 tcttttgctc ggtctatatt cctaagcact cctagatgat actgcactgg acctctggtc 1224 tcacatagtt agaaacagag ttaaaatcga acagcaaaga gaagatattc aactgcgatg 1230
aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct Lys Arg Pro Val Thr Thr Lys Arg Glu Val Asn Ser Ala 27 gtgagtaagc atgatttta cttttcttc ttactttctt ttctctcca gcttgaattt 1206 taaagtaacc actgttctat taattcatgg aaggcaactg aatagttcca gcttatagaa 1212 tcttcctgtt tggtagcatt tcagcgaagc ctcgttctta gccccagaac aatcatgcca 1218 tcttttgctc ggtctatatt cctaagcact cctagatgat actgcactgg acctctggtc 1224 tcacatagtt agaaacagag ttaaaatcga acagcaaaga gaagatattc aactgcgatg 1230 caattgacaa tggatgttt tgcaacaaac aatgattaag aagtacattg ttgtgggctc 1236
Asp Thr Thr 25 aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct Lys Arg Pro Val Thr Thr Thr Lys Arg Glu Val Asn Ser Ala 27 gtgagtaagc atgatttta ctttcttc ttacttctt ttctctca gcttgaattt 1206 taaagtaacc actgttctat taattcatgg aaggcaactg aatagttcca gcttatagaa 1212 tcttcctgtt tggtagcatt tcagcgaagc ctcgttctta gccccagaac aatcatgcca 1218 tcttttgctc ggtctatatt cctaagcact cctagatgat actgcactgg acctctggtc 1224 tcacatagtt agaaacagag ttaaaatcga acagcaaaga gaagatattc aactgcgatg 1230 caattgacaa tggatgttt tgcaacaaac aatgattaag aagtacattg ttgtgggctc 1236 tgagtcaaga gtaatatggg aaaaacacaa gtctcttcat gaggttgaca ggtttggagc 1242
aaa aga cct gtc acc aca aca aag agg gaa gtg aac agt gct Lys Arg Pro Val Thr Thr Lys Arg Glu Val Asn Ser Ala 27 gtgagtaagc atgatttta ctttcttc ttacttctt ttctctca gcttgaattt 1206 taaagtaacc actgttctat taattcatgg aaggcaactg aatagttcca gcttatagaa 1212 tcttcctgtt tggtagcatt tcagcgaagc ctcgttctta gccccagaac aatcatgcca 1218 tcttttgctc ggtctatatt cctaagcact cctagatgat actgcactgg acctctggtc 1224 tcacatagtt agaaacagag ttaaaatcga acagcaaaga gaagatatc aactgcgatg 1230 caattgacaa tggatgttt tgcaacaaac aatgattaag aagtacattg ttgtgggctc 1236 tgagtcaaga gtaatatggg aaaaacacaa gtctcttcat gaggttgaca ggtttggagc 1242 tggaatctgt ggaggaggaa ggatatgatc taggggtcag aagaagtggg ttactaaaat 1248

FIG. 7I

nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	12723
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	12783
nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	12843
nggcaccaag	agatgagggg	ggcagtcttg	gccatatatt	tggctgaagt	aagtcaattt	12903
gtcattcctg	catgagcctt	tataaacaga	agtaagtaac	caactactat	ttggtcattg	12963
gagttgtcca	agaggccagg	gttctgtcta	atacctgttc	atgcatgaac	atgccaacct	13023
agattgcatg	cagactacca	gttttgggtt	tttgtttagt	tcagcaggat	ttttctcagc	13083
tcactgcctc	tcaaactttc	agcaacaaaa	ggacatctgt	gatatcagaa	tctaccactc	13143
taagtatttg	gatgcaatag	caatgaatat	ctgagtaaat	ctaggtgggg	agtgggggca	13203
ccctgtagcc	aaaatgattt	aacaaaatca	aaccaaaatt	ttggaaatga	tgccttggta	13263
caatgaagag	actacttgag	gtaggtttga	cttatctaat	atcttatttt	ctttaccaat	13323
acctaatgag	gaatttaaat	atttctagat	agctttggaa	aggtccctta	aagaggcacc	13383
agcataccac	tgccagatct	aatcccccca	aacactgttt	tcatcatcat	catgtcatct	13443
cttgtctcta	tagatcatat	caaatccttc	ccagagtttt	tcaggccttt	tgacaactag	13503
ccacatttca	ctaagccaac	tcatctacca	ctcttcaaca	aaacttttcc	tcaagttgag	13563
ctgctccacc	aacaccactg	ccatgagete	attcccactt	ctgtggcttt	gctcatgttg	13623
gttattttt	tggagtgtcc	tccctattcc	ttcttacttg	tcccaatccc	aacttttggc	13683
atggtctact	ttaagataca	gtaatgagta	actttannnn	nnnnnnnnn	nnnnnnnnn	13743
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	13803
nnnnnnnnn	nnnnnnnnn	ממתמממממ	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	13863
nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	13923
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	tttttaaaat	ttaattcaan	13983
ממתמתמתמת	nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	14043
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	חחחחחחחחחח	14103
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	14163
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnnn	14223
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nntacataca	14283

FIG. 7J

caacactete ttgettaate tgtaagacte tetececeae teatacettt ttatttttee 14343 tetgeattgt acacacate tataceacte ttaageacat gattacageg ttattttetg 14403 gctgcttcta tgtgtctata ttttaggtcc acctggtcaa tataataaag tgggatatta 14463 gtgttaatgc aactatatgg tatttgatat ttgtctttct gtccgtttat caatgtttct 14523 tatagnnnnn nnnnnnnnn nnnnnnnngg tgtctgattt tgaccaaatt tgactaaata 14583 cnnnnnnnn nnnnnnnnn nnnnnnnnn t tgagtctatc aactcaaaaa 14643 agaataacct acaacaataa caagtttcag aacatttttt aaattactga ttttatgagn 14703 gaaattgcca tggttaagat tttaatattg ctcaggccca gacagctcag ggctttgaca 14823 ttcccacacc cattctctgc catcccagtt ctatctcatc ccaaaaccat ccattatgag 14883 gagagtgtac agetetagge tgcccgggag ccatcccgca eteteatttt gtgactcgge 14943 atcttgggag atggagtett gggaettage etggaeatgt eeettgeatg taettettae 15003 aagactttta ttcagatgaa tattttccct tccaacttaa gaagcacagg gcttgctggt 15063 tttgcttcac taaccagcaa ctgaagcaag acctgacttg tgaaaatgcc taatagagtt 15123 cagtattagc gctgtttcac catttcctgg atctcttgcc tttgtgcaca tgatagaatt 15183 gcacttetet gtgattaatt tgtagttaag tgtggteatg taactegett tggteaatta 15243 aatgtaagca taagtgatgc gtgttatttc tgggtagaag atgtaagagt tggcatatgc 15303 tttgccatat tttctttatc catctggcat ggtaaccagt aacattctag gtagtaattg 15363 ctccatcagt ctcagtctct gagtgactaa aattgacaga gtcccctgct gaccctcaat 15423 gtacatggaa catgaacaag aataagcttt tgttttttat attgagattt tggagttgtt 15483 tgttcctaca gcattaccta gtttactcta atacaacatg gaaaaaactg gaacctataa 15543 taaatagacc ctacgttgcc atttaaactt ctagttctga ggaataataa tgtggggaaa 15603 tactttctat ataataaaaa aatagaaaat tgcaaaataa aaatatactt atgtatcatt 15663 catgtcctat taaaaatgtt atttatagac tcaccatatt cccttcctcc agaaaaatag 15723 aagtaaaaat atgaaaatgc ctgtaatcat gtttttggat tatggaatca agtattgctt 15783 tttactttta tgttttctga atttttgttg tacttcacta catttttgag tgccctgatg 15843 tattactttc aaaaagaaga agaatacttt ctgaagccat ttcaaccatc cccactcacc 15903

FIG. 7K

tctctagatc	ccagtaacca	aatacattat	ataggactct	tcatcagtcc	ttatcaagtt	15963
taggaagggc	gatgctatac	cttctttaaa	ggacacctac	caatgtctta	gttgcctttc	16023
aaagactcct	agcacagcta	aatgtgatgg	atatgctcta	aggatataag	agctgaagtg	16083
acttgcataa	ggtcatatca	taacttactg	ttagaaatgg	agctagaact	cagacccact	16143
gagtccttgt	ctgtgacaca	ctgccctttc	catttgtgga	agttgttctt	gtatctaact	16203
ttatctgtgc	tactatttgg	gcctagccat	tctccctctt	atgcagacaa	gcagataaac	16263
agtaaaactt	taggagtgga	ttatgatacc	atagatatat	atcatctatc	ctttacaaaa	16323
tagttattac	agtcatcaag	ccttggttag	agtttacaga	ccatgtatcc	tagctannnn	16383
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	nnntgaaaca	16443
gtagcagacc	aaaagaagtc	atgattccca	gcatagtgct	nnnnnnnnn	nnnnnnnnn	16503
nnnnnnnnn	nnnnaaacct	gtattaagtt	tctgttattt	gcaagaccct	gtcagttagg	16563
ccatgtggga	actagaagga	tgaatttatc	agtcatccaa	gattcttaca	attaagtatt	16623
accgataagg	tactcaagaa	acagttctca	ttcacataat	ttgggttaaa	acaaaaagaa	16683
gccagctttc	tatatacttt	tggtccagtc	tttacgtttt	ttgttttgtt	ttgtttgttt	16743
tcatgagtat	cccgacttcc	ttctaagaac	ttccacctga	gaactgacca	cagcgtcagc	16803
attccacatg	ggtgtgtttc	ctttcccctt	tcccatttca	gtggtttcca	atttcttttt	16863
cttttggcac	tataaacctt	tcgcaaagga	aatattagac	agaactccta	catgtcaagc	16923
aaattaaaat	agtggtgaaa	ttagagtgga	ggacataatc	accctatcat	ataggctatt	16983
tgtccatatc	atatttgtcc	ctacaaaggc	ctctaaggnn	nnnnnnnnn	nnnnnnnn	17043
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	17103
nnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	17163
מממתמתמת	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	17223
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	17283
nnnnnnnnn	nnnnnnnnn	nnnnnnnnn	nnnnnnnn	nnnnnnnnn	תתתתתתתתתת	17343
nnnnnnnnn	nnnnnnnnn	nnnctctaag	ataccttgtg	g cttcttggaa	a catatttgga	17403
aaatcatgta	a gctctcaaat	tatccctatg	teetgaagee	caccttacca	tcaatcctca	17463
gaaataccca	a acccatgtca	ggcaacttca	cactttcttt	cttcaggcag	g cacagttgtc	17523

FIG. 7L

tcagggaggg	aggagagtgc	tattagcaag	aggagtcact	aacagcttca	ctcacctgtg	17583
cccatgaatt	tttaatggtg	tgaaaagtct	gtgtatttt	tatggttctc	tatggctcat	17643
ataagaggga	caaacaatac	atgaaagttc	agagatgggg	acaaatatca	ctttaagctg	17703
gggataatca	gggaagaaga	aagttttcat	ggagaaggtg	acttttgaat	caggaagaaa	17763
tggaaacagc	aaactcttct	agatagagga	gacactaaca	ggaaaggcag	agaggcagga	17823
aggtgtggga	aagtgcacgt	gaccccgttc	agagagaaag	ccaggtgtga	gataaggggg	17883
aaagactgtt	agggcatgta	ttgtaaacca	ctaattccag	gcaaaagtta	gattttactt	17943
actaagcaag	agtgcttcag	ttagatccta	gcaggaaatg	gagggtatgc	ttagaagagg	18003
taactgaggc	aagtttaatt	tataaaggtg	tgtgcagcat	taagggaaac	cagcaaggga	18063
tactgagcat	gccaggatgc	aagagcaggc	agggaaggtg	actattccta	ggtctgaagg	18123
agaaagggga	gggagcagtt	cccagaaccc	tagtaaaaat	ggcaatgaga	aaggtccatc	18183
tggcaggacc	tatggtcttt	aacagaggga	caaagtcaac	ccacaacttg	tctgggaggt	18243
tgctgaggaa	tagatacccc	aacctctctc	tcaacccact	gcaacactct	ttttccccta	18303
gactgagccc	agtcaaagac	agagggagga	gcccagtgat	gcagtctgca	atgtcatcat	18363
cctggagcat	gaatagagtg	cagcagggtg	aataatgagt	ctgcaggaat	taatagaaat	18423
atctgacaca	atagggaact	ataagaggtt	ttgaatagga	gaggcccctg	aaatgtgctc	18483
caatattact	gaactatgtg	tggcccaaag	aatggaagag	gaacagctct	tgcaataggt	18543
ctgaggagag	aagctgaaga	cttggactag	ggcaatggta	aaaactgtgg	aaagaagttt	18603
taaatgaaaa	gttttaaacc	atgcggcttc	cagetagate	, aacttttta	aaaaaattag	18663
ttcctcactc	aaattttggg	gaggttatat	attttctaat	: cataaaaaat	gatttttctt	18723
atttgtgggc	: ttttctcccc	ag atc tga Ile	. acctgtggtc	: ttgggagcca	. gggtgacctg	18781 273
atatgacato	: taaagaagct	tctggactct	: gaacaagaat	teggtggeet	gcagagcttg	18841
ccatttgcad	c ttttcaaatg	cctttggatg	g acccagcact	ttaatctgaa	acctgcaaca	18901
agactagcca	a acacctggco	c atgaaactto	g eccetteact	gatctggact	cacctctgga	18961
gcctatggct	ttaagcaago	actactgcac	tttacagaat	taccccacto	g gateetggae	19021
ccacagaatt	ccttcaggat	ccttcttgct	gccagactga	a aagcaaaagg	g aattatttco	19081

FIG. 7M

cctcaagttt	tctaagtgat	ttccaaaagc	agaggtgtgt	ggaaatttcc	agtaacagaa	19141
acagatgggt	tgccaataga	gttattttt	atctatagct	tcctctgggt	actagaagag	19201
gctattgaga	ctatga					19217



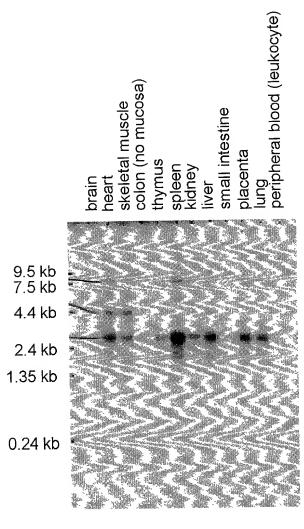


FIG. 9

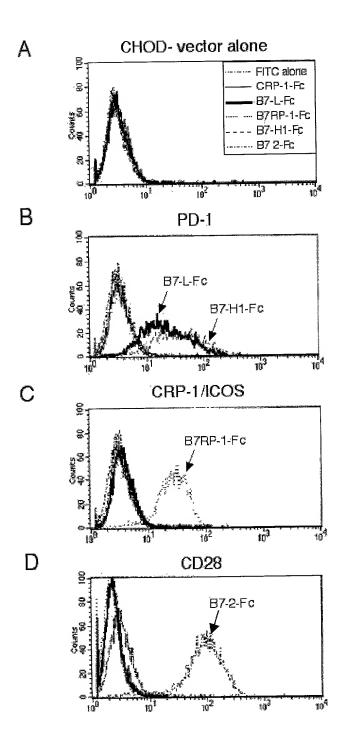


FIG. 10

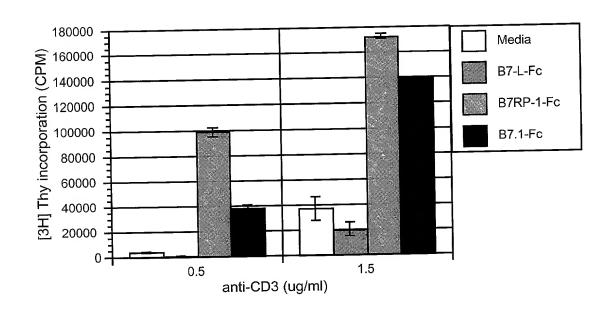


FIG. 11

